Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/14/2022 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125607	0	1.46	125533	1.44
Blue	F	SSC	125000	123635	-2	2.48	124143	2.37
Blue	E	FITC	14284	13920	-3	2.19	390	13.08
Blue	D	PE	23919	23689	-1	1.60	563	10.19
Blue	B	PerCP-Cy5-5	31332	30670	-3	2.87	875	14.58
Blue	A	PE-Cy7	22272	22146	-1	4.76	462	29.93
Red	C	APC	47768	47191	-2	2.52	1630	11.27
Red	A	APC-Cy7	25313	24596	-3	2.86	697	12.14
Violet	B	V450	7085	6841	-4	3.79	475	11.23
Violet	A	V500	26969	26150	-4	3.31	895	8.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23713	3.04	575	-14	N/A	N/A	Pass
Blue	F	SSC	55568	2.02	516	-5	N/A	N/A	Pass
Blue	E	FITC	58	54.24	487	-14	0.0480	106	Pass
Blue	D	PE	109	39.02	484	-13	0.4688	356	Pass
Blue	B	PerCP-Cy5-5	139	41.27	572	-16	0.0210	95	Pass
Blue	A	PE-Cy7	80	76.78	620	-15	0.0232	2	Pass
Red	C	APC	341	25.85	573	-7	0.0296	230	Pass
Red	A	APC-Cy7	131	34.32	547	-8	0.0065	1340	Pass
Violet	B	V450	81	44.29	449	-14	0.0560	1879	Pass
Violet	A	V500	106	29.36	460	-14	0.0264	703	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.66	-31.44	1.06
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.31	13.90 - 20.86	N/A	N/A	29.92	30.06	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 14228

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments